

Title (en)  
ISOXAZOLINE DERIVATIVES AS INSECTICIDES

Title (de)  
ISOXAZOLINDERIVATE ALS INSEKTIZIDE

Title (fr)  
DÉRIVÉS D'ISOXAZOLINE EN TANT QU'INSECTICIDES

Publication  
**EP 2536698 B1 20150610 (EN)**

Application  
**EP 11707113 A 20110217**

Priority  
• EP 10153831 A 20100217  
• EP 2011052336 W 20110217  
• EP 11707113 A 20110217

Abstract (en)  
[origin: WO2011101402A1] The present invention relates to compounds formula (I), wherein P is P1, P2, heterocyclyl or heterocyclyl substituted by one to five Z; and wherein A1, A2, A3, A4, G1, R1, R2, R3, R4, R5, R6, R17, R18, R19 and R20 are as defined in claim 1; or a salt or N-oxide thereof. Furthermore, the present invention relates to processes and intermediates for preparing compounds of formula (I), to insecticidal, acaricidal, nematocidal and molluscicidal compositions comprising the compounds of formula (I) and to methods of using the compounds of formula (I) to control insect, acarine, nematode and mollusc pests.

IPC 8 full level  
**C07D 261/04** (2006.01); **A01N 43/80** (2006.01); **C07D 413/12** (2006.01)

CPC (source: EP US)  
**A01N 43/80** (2013.01 - EP US); **C07D 261/04** (2013.01 - EP US); **C07D 413/10** (2013.01 - EP US); **C07D 413/12** (2013.01 - EP US); **C07D 417/12** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011101402 A1 20110825**; BR 112012020521 A2 20160621; BR 112012020521 B1 20171226; CN 102762544 A 20121031; CN 102762544 B 20160330; EP 2536698 A1 20121226; EP 2536698 B1 20150610; ES 2543747 T3 20150821; US 10155730 B2 20181218; US 2012316124 A1 20121213; US 2014249316 A1 20140904; US 2016368883 A1 20161222; US 2019071407 A1 20190307; US 8754053 B2 20140617; US 9456605 B2 20161004

DOCDB simple family (application)  
**EP 2011052336 W 20110217**; BR 112012020521 A 20110217; CN 201180009888 A 20110217; EP 11707113 A 20110217; ES 11707113 T 20110217; US 201113579637 A 20110217; US 201414275989 A 20140513; US 201615252782 A 20160831; US 201816178008 A 20181101